



## Thump Series

<http://www.mackie.com/products/thump>



### What models are featured in the Thump Series?

The Thump Series will consist of four powered loudspeakers and one powered subwoofer:

- Thump12A 1300W 12" Powered Loudspeaker
- Thump15A 1300W 15" Powered Loudspeaker
- Thump12BST 1300W 12" Advanced Powered Loudspeaker
- Thump15BST 1300W 15" Advanced Powered Loudspeaker
- Thump18S 1200W 18" Powered Subwoofer



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### What different configurations are there for the Thump loudspeakers?

All models come with flexible mounting options including tripod and pole-mounting and work with the standard 35mm tripod and pole-mount size.

### What pole should I use with my Thump loudspeakers?

Thump loudspeakers are compatible with the SPM200 pole mount.

### What are “dual monitor angles”?

Both the Thump12A/15A and Thump12BST/Thump15BST models have a dual symmetrical monitor angle, which makes it easy to set the speaker on its side giving it a perfect tilt for use as a floor monitor without it falling over. Because of the dual symmetrical design you can use two of these Thump loudspeakers in a dual monitor setup.

### Am I able to fly my Thump loudspeakers?

The Thump12BST/15BST models can also be flown with vertical suspension via 3 M10 thread fly points using the PA-A1 eyebolt kit. Our engineers have designed the Thump Boosted loudspeakers with integrated fly points to simplify integration into a permanent install. Due to the inherent dangers involved in hanging or mounting these or any speakers, we strongly recommend that a qualified professional be employed in any such installation.

### What happens if the Limit light is turning on?

When the limit light is flashing or on, this means that the amplifier is being pushed a bit too hard. If you see this happening, turn the Main level control counter-clockwise immediately until the Limit light stops lighting. All of the new Thump models come with next-generation system protection and thermal limiting meant to keep your system safe.



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### What is the screen used for on the Boosted models?

The speaker's user interface consists of a push-button rotary encoder combined with a backlit screen allowing the user to access functions such as channel and master level control, metering, 3-channel digital mixer & EQ, wireless configuration, setup functions and product info.

Main Screen



Mixer Screen



EQ Screen



Voicing Screen



### What does the 3-channel on-board digital mixer on the Boosted models do?

This powerful on-board digital mixer can be accessed through the back panel of the Thump Boosted models. It gives you control of the 2 digitally controlled Vita+™ preamps with Wide-Z™ technology that handle the incoming mic, line, and instrument signals. You will also be able to adjust your Bluetooth input from your on-board mixer, along with an XLR thru for simple wired connection to additional speakers. From this on-board digital mixer you can also control your 3-band channel EQ as well as accessing your 6 application specific speaker modes.



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### What are application specific speaker modes?

The different modes, basically, are applying a specific EQ curve to the sound of the speaker that will help it to be better suited for your application. There are six application-specific speaker modes that voice the Thump Boosted speakers and four that voice the ThumpI2A/I5A models, allowing your Thump loudspeakers to sound and perform at their best for your application. Powerful DSP ensures you always get the best sound and performance from your Thump system.

#### Thump Boosted Modes

- MUSIC
- LIVE
- SPEECH
- MUSIC WITH SUB
- LIVE WITH SUB
- STAGE MONITOR



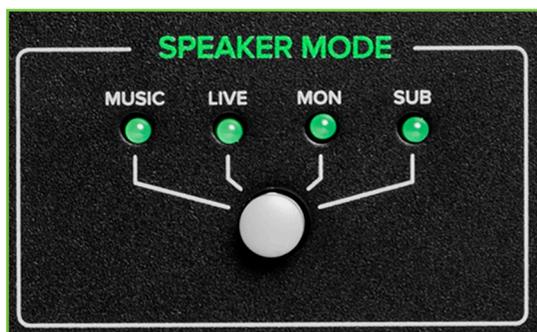
Most of the time “Live” mode will be a good choice as it is the most neutral setting.

“Music” mode will enhance the lows and highs to help music stand out a bit more.

“Monitor” mode will optimize the speaker for maximum vocal output while helping to avoid feedback.

#### ThumpI2A/I5A Modes

- MUSIC
- LIVE
- MONITOR
- SUB



“Sub” mode is perfect for the when using these Thump speakers, you guessed it...with a subwoofer. This setting will “roll off” the low frequencies so your subwoofer does the heavy lifting of those lower frequencies and your Thump loudspeakers can handle the mid and high frequencies.



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### What is the EQ on the Thump Boosted models used for?

Thump Boosted gives you the ability to adjust each input with a 3-band channel EQ plus variable high-pass filters on Ch. 1/2. The on-board 3-band EQ is great for making minor adjustments to input channels to accommodate for a particular environment that the speakers are being used in.

The EQ can be accessed either through the full color high-res user control screen and knob interface on the back of the Boosted models or by using the Thump Connect™ control app. If your system is producing less low end in a certain room than normal, you can then adjust the Low EQ slightly to make up for it. In addition, if you have limited EQ options at the audio source the EQ on the speakers may be used.

### Do I need a crossover to use the Thump18S?

The Thump18S has its own crossover built in for the signal coming in and out. The precision built-in crossover, polarity controls and tuning filters deliver highly accurate bass response that is a perfect match for your Thump system.

### How do I connect the Thump Boosted loudspeakers with the Thump18S?

When using with the new Thump Boosted models you will want to make sure to run the audio input into the back of the Thump Boosted models while running the MIX OUT down to your Thump18S. This will give you the ability to mix with your on-board mixer of the Thump Boosted loudspeakers and take advantage of the digital crossover. We do suggest if you are using the Thump18S subwoofer with a Thump Boosted model, to make all connections before powering anything on. Once everything is connected then make sure to power the Thump Boosted loudspeaker on first before powering on your Thump18S.

### What are the High-Pass outputs on the Thump18S used for?

The High-Pass outputs are perfect when using full range speakers along with the Thump18S subwoofer. The High-Pass output sends back out the audio that you are putting into it, but subtracts a lot of the low end. Because you have the Thump18S subwoofer taking care of your low end, your full range speakers don't need to worry about it. Connecting them to the high-pass outputs, they will be able to perform their duty of reinforcing the midrange and high frequencies more efficiently.



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### Is it normal for the speaker to “pop” when it is switched on or off?

It is normal for the Thump speakers to emit a slight “pop” when it is powered up or down. The pop is caused by electricity left inside the amplifier circuitry discharging to the speaker. We do suggest if you are using the Thump18S subwoofer with a Thump12A or Thump15A, to make all connections before powering anything on. Once everything is connected then make sure to power the Thump18S on first before powering on your Thump loudspeakers.

### Can I connect this to a speaker output of an amplifier?

When setting up your Thump speaker, it is very important that you **DO NOT** connect it to an output of a power amplifier. The inputs of the Thump series are meant for non-powered outputs such as the main or aux outputs of a mixer. The outputs of a power amp will most likely cause damage and possibly cause a fire in any powered speaker, including the Thump series.

### Can I play audio from my Bluetooth device through these speakers wirelessly?

Yes, with the Thump Boosted (Thump12BST/15BST) models (not available on the Thump12A/15A models) you can stream music directly to the system from your iOS or Android device while connected via Bluetooth. This will also give you total control over your system, including levels and DSP with the Thump Connect™ control app for iOS or Android devices.

### Will I be able to link two speakers wirelessly together?

Absolutely! You can pair two Thump Boosted (Thump12BST/15BST) speakers together wirelessly at distances up to 328ft/100m. When connected wirelessly, you then can stream music directly to the system from your iOS, Android or any Bluetooth enabled device to both speakers. This will allow you to control it all from your phone or tablet with the Thump Connect™ control app. These speakers also have device and link memory for quick set-up when using the same devices and speaker pair.



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### What Bluetooth protocol is used in the Thump Boosted (not available on the Thump12A/15A)?

The new Mackie Thump Boosted use the latest in Bluetooth chipsets to deliver an impressive feature set. Class-1 speaker linking – an important performance specification for Bluetooth chips sets is the transmission power output, which is it's "class" rating. The Thump Boosted Bluetooth speaker linking is a Class 1, meaning that in line of sight application it has up to 100 meters of range, which rivals Wi-Fi specifications. This ensures you will have stable wireless performance when sending a streamed audio signal across a pair of the Thump Boosted speakers.

The class rating of the device you plan to pair with your Thump Boosted speakers is important to know and you should choose your Bluetooth streaming device with this class in mind.

Most devices with a power supply have Class-1 Bluetooth, like laptops. If using a laptop with class 2 Bluetooth, a user can utilize any number of class 1 USB adaptors available to ensure stable long-range performance.

Most phones and tablets are class 2 to conserve power however, recent generations of iPhone and iPad support 80-100m range with Class-1 performance. This includes iPad4 and up as well as iPhone 6 & 7, previous generations are Class-2.

### What does it mean if the speaker hums when I connect something to it?

The presence of a 60 Hz hum in the speaker only when a connection is made to another piece of equipment suggests the presence of a ground loop. Such a loop is caused by electrical interaction of the signal grounds on two pieces of equipment, and is not necessarily an indication of broken gear. If a balanced connection to the speaker is being used, the simplest way to correct this problem is to lift the signal ground on the end of the connecting cable closest to the signal source. This is not to be confused with disconnecting the safety ground on the power plug, as this should be avoided at all costs, as it can present a safety hazard. If an unbalanced connection is being made to the speaker, a line coupler such as the Ebtech Hum Eliminator can be used to eliminate the ground loop.



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